VIRAJ JANEJA

CONTACT

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https://virajjaneja.github.io

RELEVANT SKILLS

GitHub Repo: https://github.com/ViraJJaneja

Programming:

- Java
- Python
- C#
- HTML/CSS

Data Preprocessing and Analysis
Microsoft Office 365
Basic Unity
Strong interpersonal communication
Foundation in Linear Algebra

EDUCATION

UMBC

Computer Science Major
GPA: 3.471 2024-2028

Centennial High School, MD

2020-2024

Misc.

Johns Hopkins University- Center for Talented Youth - Astrophysics 2018

COMMUNITY SERVICE

TechGirls

Member/Lead Tutor 2022-Present

Duties

- Tutored elementary-grade schoolers in a series of lectures and hands on activities relating to STEM

SPORTS

Varsity Tennis

2022-Present

Junior Varsity Wrestling

2022-2023

Recreational: Muay Thai, Kickboxing

LANGUAGES

English

German

Hindi

OBJECTIVE

To graduate from UMBC with a 4-year degree in Computer Science, software development specifically.

PUBLICATIONS

Janeja V, Chen K, Exploring the Relationship between Neural and Physiological signals in an Immersive Virtual Buffet Environment, 2023 Academic Data Science Alliance Annual Meeting, October 24-27, 2023 at the University of Texas at San Antonio, https://academicdatascience.org/2023-adsa-annual-schedule/

WORK EXPERIENCE

Undergraduate Researcher

UMBC - Vinjamuri Lab 2024-Present
Duties (As able to be provided)

- Confidential Project: A VR scenario built in Unity, C#, Python, and datasockets to translate user movements as seen on an rgb camera to a simulated model

LLM Software Trainer

2024-Present

Outlier AI
Duties

- Developed LLM Software output when presented with a programming-based question
- Analyze and corrected already generated output
- Peer-reviewed work from other employees

Intern - Informatics for Human Flourishing Lab

2022-2024

University of Maryland Baltimore County - Mentor Dr. Karen Chen

Duties

- Preprocessed functional near-infrared spectroscopy(fNIRS) data
  - Delved specifically into the removal of motion artifacts
- Performed literature review for fNIRS to summarize the state of the art research
- Analyzed fNIRS data using Python programming in Jupyter Notebooks
- Assisting in writing a soon-to-be-published paper

Skills Learned

- The removal of motion artifacts
- Matplotlib (Python library)
- Application of data science algorithms including K-NN, K-means clustering, linear regression
- Summarizing and presenting research literature review

Intern - Software Engineer/App Dev

2023

Technuf
Duties

- Completing various outsourced tasks relating to webdev, application development, and software development, all of which contributed to a selling product

Tennis - Assistant Coach

2021-2023

Howard County Parks and Rec

Duties

- Engaged with children ages 7-14 to teach them basic tennis skills
- Performed team building exercises with groups of children
- Supported Tennis summer camps and weekly classes
- Coordinated tennis activities with Head coach and other assistant coaches